

AMENDMENT TRANSMITTAL LETTER				Docket Number: SAIC0006-US		
Application Number 09/577,166		Filing Date May 24, 2000		Examiner M. Angebranndt		Art Unit 1756
Invention Title: A SYSTEM AND METHOD FOR REPLICATING VOLUME HOLOGRAMS				Inventor(s) Richard L. Sutherland, et al.		

PATENT & TRADEMARK OFFICE
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I. The filing fee has been calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT NUMBER EXTRA	RATE (\$)	FEE (\$)
TOTAL CLAIMS	48	minus	48	0	9.00	0
INDEPENDENT CLAIMS	7	minus	7	0	40.00	0
MULTIPLE DEPENDENT CLAIM ADDED					260.00	00.00
TOTAL						0.00
If applicant is a small entity under 37 C.F.R. §§ 1.9 and 1.27, then divide total fee by 2, and enter amount here.					SMALL ENTITY TOTAL	0.00

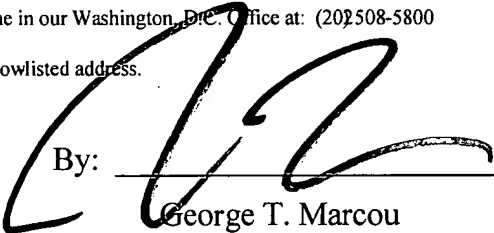
II. The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 1.16 and 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No 501458. A duplicate copy of this sheet is enclosed.

III. Applicants' undersigned attorney may be reached by telephone in our Washington, D.C. Office at: (202) 508-5800

All correspondence should continue to be directed to our belowlisted address.

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October 22, 2001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Richard L. Sutherland, et al.

Art Unit: 1756

Serial No. 09/577,166

Examiner: ANGEBRANNDT, M.

Filed: May 24, 2000

For: A SYSTEM AND METHOD FOR REPLICATING VOLUME HOLOGRAMS

Box: Non-Final

Assistant Commissioner of Patents

Washington, D.C. 20231

RESPONSE UNDER 37 C.F.R. §1.111

In response to the Office Action mailed July 20, 2001, Applicants respectfully request entry of the following amendments to the claims, and reconsideration of the rejections of record in light of this amendment and the following remarks.

IN THE CLAIMS

Please re-write claims 1, 12, 22, 32, 46 and 48 as follows:

- SUB B1**
- A1**
1. A system for duplicating a hologram comprising:
- a radiation source for emitting a coherent beam of radiation;
 - a hologram having variable diffraction efficiency; and
 - a recording substrate comprised of a polymer-dispersed liquid crystal material for recording a replica of the hologram therein, wherein the hologram and the recording substrate are in optical contact with one another and are placed in a path of the coherent beam of radiation.
- SUB B2**
- A2**
12. A method for duplicating a hologram comprising:

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